

# Side Cutters and Tip Cutters

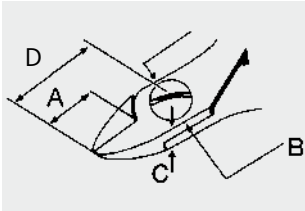
## Series 2400 MagicSense

- Medium-size cutter
- Combines robustness, visibility and accessibility.
- Large variety of head shapes for precision working in hard-to-reach areas.
- The optimised ergonomic shape of the Series 2400 MagicSense prevents hand fatigue
- Improved induction-hardened cutting edges up to 64 – 65 HRC for an extremely long service life
- Cutting edges made from special tool steel
- Non-reflecting surface, ESD-safe and resharpenable





## Series 2400 MagicSense



A = length of cutting edges  
 B = head width  
 C = head thickness  
 D = head length



Tip cutter Straight long relieved head	Tip cutter Angled narrow head	Tip cutter Angled wide head	Side cutter Tapered head	Side cutter Oval head
← Visibility and accessibility			Robustness, high cutting capacity →	

### Side cutter – oval head



130 mm/5.118 Inch  
 70 g/2.47 oz.

- This is the most widely used head shape.
- Fits for all cutting applications where easy access is given
- It is robust and size for size offers the highest cutting capacity.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter		
		A	B	C	D	Hard wire	Medium hardness	Copper wire
<b>2412E</b>	 Semi-flush	12 .472	11 .433	6 .236	19 .748	0.5 .019	1.0 .039	1.6 .062
<b>2422E</b>	 Flush	12 .472	11 .433	6 .236	19 .748	–	1.0 .039	1.6 .062
<b>2432E</b>	 Super full flush.	12 .472	11 .433	6 .236	19 .748	–	0.8 .039	1.6 .062

Wire quality, see P. 38

Optional: Safety device for wire scraps. Order suffix „W“, e.g. 2412W.

# Side Cutters and Tip Cutters


## Series 2400 MagicSense

### Side cutter – tapered head






 **127 mm/5.999 Inch**  
 **70 g/2.47 oz.**

- The jaws of the cutter have straight edges and taper to a point.
- This head shape allows access to difficult to reach areas but reduces the cutting capacity in comparison to the same size oval head cutter.


Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
2477E	 Flush	12	11	6	19	1.0	1.3
		.472	.472	.433	.236	.039	.051

### Tip cutter – angled wide head



 **127 mm/5.118 Inch**  
 **70 g/2.47 oz.**  
 **30°**

- The angled head provides for precise cuts at different working angles.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
2403E	 Flush	9	11	6	19	1.0	1.6
		.354	.433	.236	.748	.039	.062
							Wide, robust head, fine cut
2404E	 Flush	9	11	6	20	0.8	1.3
		.354	.433	.236	.787	.031	.051
							Model same as 2403E, but with pointed rounded head

## Series 2400 MagicSense

### Tip cutter – angled narrow head



**135 mm/5.315 Inch**  
**72 g/2.54 oz.**  
**45°**

■ The angled head provides for precise cuts at different working angles.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
2482E	 Flush	6	11	6	26	0.6	1.2
		.236	.433	.236	1.024	.023	.047
Suitable for working on printed-circuit boards, component connections, can be used in both 90° and 180° applications							
2475E	 Flush	4	11	6	22	0.4	0.6
		.157	.433	.236	.866	.015	.023
Suitable for fine cutting work on hybrid circuits of miniature components							

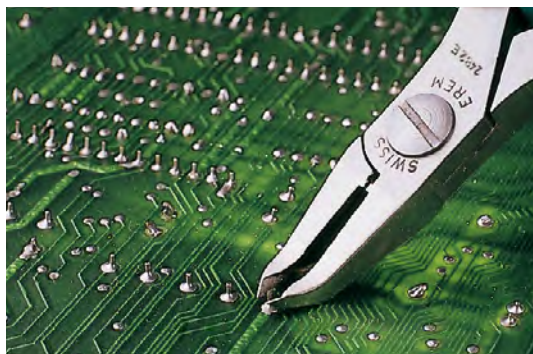
### Tip cutter – straight long relieved head



**140 mm/5.512 Inch**  
**72 g/2.54 oz.**

■ This head is suitable for horizontal and vertical cuts.  
 ■ The long tips facilitate cutting in hard-to-reach areas.

Model	Cut	Dimensions in mm/Inch				Max. cutting capability in mm/Inch Diameter	
		A	B	C	D	Medium hardness	Copper wire
2470E	 Flush	4	11	6	29	0.4	0.6
		.157	.433	.236	1.142	.015	.023



Safety device for wire scraps **only** possible on 2412EW, 2422EW, 2432EW, 2477EW, 2482EW models.